

CLAIM AMENDMENTS

Please amend claims 1 and 12 in the above-identified application.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A connector pair, comprising:
an overmolded connector, comprising:
at least one first terminal having a first terminal sex;
at least one wire respectively coupled for electrical communication with each of said
at least one terminals; and
an overmolded body having an overmolded connector terminal end, an overmolded
connector wire end and an overmolded connector outer surface, said
overmolded body at least partially ~~encasing~~ overmolded around said at least
one terminal and said at least one wire;
a hardshell shroud having a first connector sex, said hardshell shroud comprising:
a substantially rigid shroud body having a shroud terminal end, a shroud wire end, a
shroud inner surface and a shroud outer surface;
wherein said overmolded connector is contained within said hardshell shroud;
a hardshell connector housing having a second connector sex, said hardshell connector
housing comprising:

at least one second terminal having a second terminal sex;

a substantially rigid connector body having a connector body inner surface and a
connector body outer surface;

wherein said hardshell shroud may be interengaged with said hardshell connector, such that
said at least one first terminal engages respective ones of said at least one second terminal.

2. (Original) The connector pair of claim 1, wherein said overmolded body comprises
injection molded PVC.

3. (Original) The connector pair of claim 1, further comprising:
a plurality of annular sealing rings formed on the overmolded connector outer surface
between the overmolded connector terminal end and the overmolded connector
wire end;
wherein said plurality of annular sealing rings are held against the connector body
inner surface when said hardshell shroud is interengaged with said hardshell
connector.

4. (Original) The connector pair of claim 1, further comprising:
a first polarizing feature having a first polarizing sex formed on the overmolded
connector outer surface adjacent the overmolded connector wire end.

5. (Original) The connector pair of claim 4, further comprising:
a second polarizing feature having a second polarizing sex formed on said shroud
inner surface adjacent the shroud wire end, such that said first and second
polarizing features interengage.
6. (Original) The connector pair of claim 1, further comprising
a raised sealing ridge formed around a periphery of the overmolded connector
terminal end; and
a reservoir formed within a boundary of said raised sealing ridge and adapted to
contain a quantity of dielectric grease;
wherein said raised sealing ridge is held against the connector body inner surface
when said hardshell shroud is interengaged with said hardshell connector.
7. (Original) The connector pair of claim 1, wherein said substantially rigid shroud body
has an asymmetrical polarizing shape.
8. (Original) The connector pair of claim 7, wherein said substantially rigid connector
body has the asymmetrical polarizing shape.
9. (Original) The connector pair of claim 1, wherein said substantially rigid shroud body
has an opening formed through the shroud wire end and allowing said at least one wire to pass
therethrough.

10. (Original) The connector pair of claim 1, further comprising:
at least one first locking feature formed on said substantially rigid shroud body and
having a first locking feature sex.
11. (Original) The connector pair of claim 10, further comprising:
at least one second locking feature formed on said substantially rigid connector body
outer surface and having a second locking feature sex, such that said first and
second locking features lockingly interengage.
12. (Currently Amended) A connector pair, comprising:
an overmolded connector, comprising:
at least one first terminal having a first terminal sex;
at least one wire respectively coupled for electrical communication with each of said
at least one terminals; and
an overmolded body having an overmolded connector terminal end, an overmolded
connector wire end and an overmolded connector outer surface, said
overmolded body at least partially ~~encasing~~ overmolded around said at least
one terminal and said at least one wire;
a hardshell shroud having a first connector sex, said hardshell shroud comprising:
a substantially rigid shroud body having a shroud terminal end, a shroud wire end, a
shroud inner surface and a shroud outer surface, wherein said substantially
rigid shroud body has an asymmetrical polarizing shape;

an opening formed through the shroud wire end and allowing said at least one wire to pass therethrough;

wherein said overmolded connector is contained within said hardshell shroud;

a hardshell connector housing having a second connector sex, said hardshell connector housing comprising:

at least one second terminal having a second terminal sex;

a substantially rigid connector body having a connector body inner surface and a connector body outer surface, wherein said substantially rigid connector body has the asymmetrical polarizing shape;

wherein said hardshell shroud may be interengaged with said hardshell connector, such that said at least one first terminal engages respective ones of said at least one second terminal.

13. (Original) The connector pair of claim 12, wherein said overmolded body comprises injection molded PVC.

14. (Original) The connector pair of claim 12, further comprising:

a plurality of annular sealing rings formed on the overmolded connector outer surface between the overmolded connector terminal end and the overmolded connector wire end;

wherein said plurality of annular sealing rings are held against the connector body inner surface when said hardshell shroud is interengaged with said hardshell connector.

15. (Original) The connector pair of claim 12, further comprising:
a first polarizing feature having a first polarizing sex formed on the overmolded
connector outer surface adjacent the overmolded connector wire end.
16. (Original) The connector pair of claim 15, further comprising:
a second polarizing feature having a second polarizing sex formed on said shroud
inner surface adjacent the shroud wire end, such that said first and second
polarizing features interengage.
17. (Original) The connector pair of claim 12, further comprising
a raised sealing ridge formed around a periphery of the overmolded connector terminal
end; and
a reservoir formed within a boundary of said raised sealing ridge and adapted to
contain a quantity of dielectric grease;
wherein said raised sealing ridge is held against the connector body inner surface
when said hardshell shroud is interengaged with said hardshell connector.
18. (Original) The connector pair of claim 12, further comprising:
at least one first locking feature formed on said substantially rigid shroud body and
having a first locking feature sex.

19. (Original) The connector pair of claim 18, further comprising:
at least one second locking feature formed on said substantially rigid connector body
outer surface and having a second locking feature sex, such that said first and
second locking features lockingly interengage.
20. (Original) A connector pair, comprising:
an overmolded connector, comprising:
at least one first terminal having a first terminal sex;
at least one wire respectively coupled for electrical communication with each of said
at least one terminals;
an injection molded PVC body having an overmolded connector terminal end, an
overmolded connector wire end and an overmolded connector outer surface,
said PVC body at least partially encasing said at least one terminal and said at
least one wire;
a plurality of annular sealing rings formed on the overmolded connector outer surface
between the overmolded connector terminal end and the overmolded connector
wire end;
a first polarizing feature having a first polarizing sex formed on the overmolded
connector outer surface adjacent the overmolded connector wire end;
a raised sealing ridge formed around a periphery of the overmolded connector terminal
end; and

a reservoir formed within a boundary of said raised sealing ridge and adapted to contain a quantity of dielectric grease;

a hardshell shroud having a first connector sex, said hardshell shroud comprising:

- a substantially rigid shroud body having a shroud terminal end, a shroud wire end, a shroud inner surface and a shroud outer surface, wherein said substantially rigid shroud body has an asymmetrical polarizing shape;
- a second polarizing feature having a second polarizing sex formed on said shroud inner surface adjacent the shroud wire end;
- an opening formed through the shroud wire end and allowing said at least one wire to pass therethrough;
- at least one first locking feature formed on said substantially rigid shroud body and having a first locking feature sex;

wherein said overmolded connector is contained within said hardshell shroud, such that said first and second polarizing features interengage;

a hardshell connector housing having a second connector sex, said hardshell connector housing comprising:

- at least one second terminal having a second terminal sex;
- a substantially rigid connector body having a connector body inner surface and a connector body outer surface, wherein said substantially rigid connector body has the asymmetrical polarizing shape;
- at least one second locking feature formed on said substantially rigid connector body outer surface and having a second locking feature sex;

wherein said hardshell shroud may be interengaged with said hardshell connector, such that:

said at least one first terminal engages respective ones of said at least one second terminal;

said plurality of annular sealing rings are held against the connector body inner surface;

said raised sealing ridge is held against the connector body inner surface; and

said first and second locking features lockingly interengage.

21. (Previously Amended) A connector, comprising:

an overmolded connector, comprising:

at least one first terminal having a first terminal sex;

at least one wire respectively coupled for electrical communication with each of said at least one terminals;

an overmolded body having an overmolded connector terminal end, an overmolded connector wire end and an overmolded connector outer surface, said overmolded body at least partially encasing said at least one terminal and said at least one wire;

a raised sealing ridge formed around a periphery of the overmolded connector terminal end; and

a reservoir formed within a boundary of said raised sealing ridge and adapted to contain a quantity of dielectric grease;

a hardshell shroud having a first connector sex, said hardshell shroud comprising:

a substantially rigid shroud body having a shroud terminal end, a shroud wire end, a shroud inner surface and a shroud outer surface;

a hardshell connector housing having a second connector sex, said hardshell connector housing comprising:

at least one second terminal having a second terminal sex;

a substantially rigid connector body having a connector body inner surface and a connector body outer surface;

wherein said hardshell shroud may be interengaged with said hardshell connector, such that said at least one first terminal engages respective ones of said at least one second terminal, wherein said overmolded connector is contained within said hardshell shroud, and wherein said raised sealing ridge is held against the connector body inner surface when said hardshell shroud is interengaged with said hardshell connector.

22. (Cancelled)

23. (Original) The connector of claim 21, wherein said overmolded body comprises injection molded PVC.

24. (Original) The connector of claim 21, further comprising:

a plurality of annular sealing rings formed on the overmolded connector outer surface between the overmolded connector terminal end and the overmolded connector wire end;

wherein said plurality of annular sealing rings are held against the connector body inner surface when said hardshell shroud is interengaged with said hardshell connector.

25. (Original) The connector of claim 21, further comprising:
a first polarizing feature having a first polarizing sex formed on the overmolded connector outer surface adjacent the overmolded connector wire end.
26. (Original) The connector of claim 25, further comprising:
a second polarizing feature having a second polarizing sex formed on said shroud inner surface adjacent the shroud wire end, such that said first and second polarizing features interengage.
27. (Cancelled)
28. (Previously Amended) The connector of claim 21, wherein said substantially rigid shroud body has an asymmetrical polarizing shape.
29. (Original) The connector of claim 28, wherein said substantially rigid connector body has the asymmetrical polarizing shape.

30. (Original) The connector pair of claim 21, wherein said substantially rigid shroud body has an opening formed through the shroud wire end and allowing said at least one wire to pass therethrough.

31. (Previously Amended) The connector pair of claim 21, further comprising:
at least one first locking feature formed on said substantially rigid shroud body and
having a first locking feature sex.

32. (Original) The connector pair of claim 31, further comprising:
at least one second locking feature formed on said substantially rigid connector body
outer surface and having a second locking feature sex, such that said first and
second locking features lockingly interengage.